

5    **WHAT IS CLAIMED IS :**

1. A cylinder assembly for a hermetic compressor comprising:

a cylinder block having a cylinder in which a piston reciprocates;

a cylinder head connected to the cylinder block to seal the  
cylinder, the head defining an inlet hole and being divided by a  
10    partition into a first and a second discharge chamber that serve as an  
outlet path; and

a valve assembly formed between the cylinder block and the  
cylinder head, the valve assembly controlling refrigerant outlet flow  
and inlet flow to and from the cylinder.

15        2. The cylinder assembly as recited in Claim 1, wherein the  
partition has at least one connecting hole to connect the first and  
second discharge chambers.

3. The cylinder assembly as recited in Claim 1, wherein the  
partition is cylindrical, the space inside being defined as the first  
20    discharge chamber the space outside the second discharge chamber, the  
first discharge chamber having a valve assembly seating surface for the  
valve assembly being mounted thereon, and the partition being

5 provided with an inlet path therein formed without connection to the first discharge chamber.

4. The cylinder assembly as recited in Claim 3, wherein the valve assembly comprises:

a valve plate having a suction port for connecting the inlet hole  
10 and the cylinder in fluid communication, and a discharge port for connecting the cylinder and the first discharge chamber in fluid communication;

a suction valve sheet having a suction valve for opening and closing the suction port;

15 a discharge valve sheet having a discharge valve for opening and closing the discharge port; and

a gasket between the discharge valve sheet and the valve assembly seating surface so as to block the inlet hole and the first discharge chamber, which has a cut-away portion that is positioned to  
20 limit a lifting gap of the discharge valve.

5. The cylinder assembly as recited in Claim 4, wherein the first discharge chamber has a stopper portion for controlling lift of the

5 discharge valve, which is formed at the same or lower height as the  
valve assembly seating surface.

6. The cylinder assembly as recited in Claim 1, wherein a  
cylinder gasket is located between the cylinder head and the cylinder  
block to seal between the second discharge chamber and the cylinder.